

RAW SEQUENCE LISTING

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Application Serial Number: 10/580,040
Source: IFWO
Date Processed by STIC: 06/01/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 06/01/2006

PATENT APPLICATION: US/10/580,040

TIME: 14:23:32

Input Set : A:\1493711P.APF

Output Set: N:\CRF4\06012006\J580040.raw

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3 <110> APPLICANT: BIOGEN IDEC MA INC.
4     SINGH, JUSWINDER
5     VAN VLIJMEN, HERMAN
6     GUPTA, ABHAS
8 <120> TITLE OF INVENTION: DETECTING PROTEIN SIMILARITY
10 <130> FILE REFERENCE: 14937.0011 PCT
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/580,040
C--> 13 <141> CURRENT FILING DATE: 2006-05-19
15 <150> PRIOR APPLICATION NUMBER: 60/524,084
16 <151> PRIOR FILING DATE: 2003-11-23
18 <160> NUMBER OF SEQ ID NOS: 11
20 <170> SOFTWARE: PatentIn Ver. 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 35
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
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34 Pro Gly Cys
35           35
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 82
40 <212> TYPE: PRT
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47 Ile Asn Thr Phe Ile His Gly Asn Lys Arg Ser Ile Lys Ala Ile Cys
48           20           25           30
50 Glu Asn Lys Asn Gly Asn Pro His Arg Glu Asn Leu Arg Ile Ser Lys
51           35           40           45
53 Ser Ser Phe Gln Val Thr Thr Cys Lys Leu His Gly Gly Ser Pro Trp
54           50           55           60
56 Pro Pro Cys Gln Tyr Arg Ala Thr Ala Gly Phe Arg Asn Val Val Val
57   65           70           75           80
59 Ala Cys
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 89
65 <212> TYPE: PRT
66 <213> ORGANISM: Homo sapiens

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68 <400> SEQUENCE: 3

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69 Cys Thr Ile Ala Met Arg Ala Ile Asn Asn Tyr Arg Trp Arg Cys Lys
70   1           5           10           15
72 Asn Gln Asn Thr Phe Leu Arg Thr Thr Phe Ala Asn Val Val Asn Val
73           20           25           30
75 Cys Gly Asn Gln Ser Ile Arg Cys Pro His Asn Arg Thr Leu Asn Asn
76           35           40           45
78 Cys His Arg Ser Arg Phe Arg Val Pro Leu Leu His Cys Asp Leu Ile
79   50           55           60
81 Asn Pro Gly Ala Gln Asn Ile Ser Asn Cys Arg Tyr Ala Asp Arg Pro
82  65           70           75           80
84 Gly Arg Arg Phe Tyr Val Val Ala Cys

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85 85

88 <210> SEQ ID NO: 4

89 <211> LENGTH: 68

90 <212> TYPE: PRT

91 <213> ORGANISM: Homo sapiens

93 <400> SEQUENCE: 4

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94 Cys Asn Gln Met Met Lys Ser Arg Asn Leu Thr Gln Asn Arg Cys Lys
95   1           5           10           15
97 Pro Val Asn Thr Phe Val His Glu Ser Leu Ala Asp Val Gln Ala Val
98           20           25           30
100 Cys Ser Gln Lys Asn Val Ala Cys Lys Asn Gly Gln Thr Asn Cys Tyr
101           35           40           45
103 Gln Ser Tyr Ser Thr Met Ser Ile Thr Asp Cys Arg Glu Thr Gly Ser
104   50           55           60

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106 Ser Lys Tyr Pro

107 65

110 <210> SEQ ID NO: 5

111 <211> LENGTH: 84

112 <212> TYPE: PRT

113 <213> ORGANISM: Homo sapiens

115 <400> SEQUENCE: 5

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116 Cys Asp Ser Ala Met Arg Asp Ile Asn Lys His Thr Lys Arg Cys Lys
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119 Asp Leu Asn Thr Phe Leu His Lys Pro Phe Ser Ser Val Ala Ala Thr
120           20           25           30
122 Cys Gln Thr Pro Asn Ile Thr Cys Lys Asn Gly His Lys Asn Cys His
123           35           40           45
125 Gln Ser His Arg Pro Val Ser Leu Thr Met Cys Gly Leu Thr Ser Gly
126   50           55           60
128 Lys Tyr Pro Asn Cys Arg Tyr Lys Glu Glu His Gln Asn Lys Ser Tyr
129  65           70           75           80

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131 Val Val Ala Cys

135 <210> SEQ ID NO: 6

136 <211> LENGTH: 78

137 <212> TYPE: PRT

138 <213> ORGANISM: Homo sapiens

140 <400> SEQUENCE: 6

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141 Cys Asn Val Met Met Val Arg Arg Gly Met Thr Ala His Gly Arg Cys
142   1           5           10           15
144 Lys Ser Phe Asn Thr Phe Val His Thr Asp Pro Arg Asn Leu Asn Thr
145           20           25           30
147 Leu Cys Ile Asn Gln Pro Asp Gln Ala Leu Arg Thr Thr Arg Arg His
148           35           40           45
150 Phe Arg Ile Thr Asp Cys Lys Leu Ile Arg Ser His Pro Thr Cys Arg
151           50           55           60
153 Tyr Ser Gly Asn Gln Phe Asn Arg Arg Val Arg Val Gly Cys
154   65           70           75
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159 <212> TYPE: PRT
160 <213> ORGANISM: Homo sapiens
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164   1           5           10           15
166 Asp Leu Asn Thr Phe Leu His Thr Thr Phe Ala Asp Ala Val Arg Val
167           20           25           30
169 Cys His Asn Pro Arg Lys Thr Cys Lys Asp Gly Thr Ser Pro Asn Cys
170           35           40           45
172 His Asp Ser Ser Ser Lys Val Ser Val Thr Ile Cys Lys Leu Thr Lys
173           50           55           60
175 Arg Ala Arg Asn Tyr Ser Gln Cys Arg Tyr Lys Thr Thr Gly Ala Glu
176   65           70           75           80
178 Lys Ser Tyr Thr Val Ala Cys
179           85
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183 <211> LENGTH: 88
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 8
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189   1           5           10           15
191 Gly Leu Asn Thr Phe Leu His Thr Ser Phe Ala Asn Ala Val Gly Val
192           20           25           30
194 Cys Gly Asn Pro Ser Gly Leu Tyr Asn Asp Asn Ile Ser Arg Asn Cys
195           35           40           45
197 His Asn Ser Ser Ser Arg Val Arg Thr Thr Val Cys Asn Ile Thr Ser
198           50           55           60
200 Arg Arg Arg Thr Pro Tyr Thr Gln Cys Arg Tyr Gln Pro Arg Arg Ser
201   65           70           75           80
203 Leu Glu Tyr Tyr Thr Val Ala Cys
204           85
207 <210> SEQ ID NO: 9
208 <211> LENGTH: 86
209 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
212 <400> SEQUENCE: 9

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213 Cys Thr Pro Ala Met Lys Gly Val Asn Asn Tyr Thr Gly Arg Cys Lys
214   1           5           10           15
216 Asn Ile Asn Thr Phe Leu Asn Thr Ser Phe Ala Ala Val Val Ser Val
217           20           25           30
219 Cys Gly Asn Lys Asn Thr Thr Cys Arg Asn Gly His Thr Asn Cys His
220           35           40           45
222 Asn Ser Ser Ala Pro Val Ser Leu Thr Tyr Cys Asn Leu Thr Thr Trp
223           50           55           60
225 Ser Ser Asn Tyr Thr Gln Cys Arg Tyr Gln Thr Thr Pro Ala Thr Lys
226           65           70           75           80
228 Phe Tyr Arg Ile Ala Cys
229           85
232 <210> SEQ ID NO: 10
233 <211> LENGTH: 89
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 10
238 Cys Thr Asn Ala Met Arg Val Ile Asn Asn Tyr Gln Arg Arg Trp Lys
239   1           5           10           15
241 Asn Arg Asn Thr Phe Leu Leu Ala Thr Phe Ala Asn Val Val Asn Val
242           20           25           30
244 Cys Gly Asn Pro Thr Ile Thr Cys Pro His Asn Arg Thr Leu Asn Asn
245           35           40           45
247 Cys His His Ser Gly Val Gln Val Pro Leu Met Tyr Cys Asn Leu Thr
248           50           55           60
250 Thr Pro Ser Pro Gln Asn Ile Ser Asn Cys Arg Tyr Ala Gln Thr Pro
251           65           70           75           80
253 Ala Asn Met Phe Tyr Ile Val Ala Cys
254           85
257 <210> SEQ ID NO: 11
258 <211> LENGTH: 85
259 <212> TYPE: PRT
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 11
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264   1           5           10           15
266 Pro Val Asn Thr Phe Val His Glu Ser Leu Ala Asp Val Lys Ala Val
267           20           25           30
269 Cys Ser Gln Lys Lys Val Thr Cys Lys Asn Gly Gln Thr Asn Arg Tyr
270           35           40           45
272 Gln Ser Lys Ser Thr Met Arg Ile Thr Asp Cys Arg Glu Thr Gly Ser
273           50           55           60
275 Ser Lys Tyr Pro Asn Cys Ala Tyr Lys Thr Thr Gln Val Glu Lys Arg
276           65           70           75           80
278 Ile Ile Val Ala Cys
279           85

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VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/580,040**

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date